



NEW MEXICO WING
CIVIL AIR PATROL
 UNITED STATES AIR FORCE AUXILIARY
 4500 Biggs Ave SE, Bldg. 926
 Kirtland AFB, NM 87117-5300



G-1000 Supplemental Questionnaire
Revised: 14 AUG 13

Date: _____

Name: _____ Grade: _____ CAPID: _____

Check Pilot: _____ Grade: _____ CAPID: _____

Score: _____

The G-1000 Supplemental Questionnaire is open book questionnaire. Utilize the *G-1000 System References* found on the e-Services web site under "CAP Utilities", "G-1000 Study Materials" (<https://www.capnhq.gov/CAP.OpsQuals.Web/TrainingMaterial/TrainingMaterial.aspx>). If a question or part of the question is not applicable, write in N/A.

This G-1000 Supplemental Questionnaire becomes an official part of the required CAPR 70-1 Aircraft Questionnaire during an annual or abbreviated CAPF-5 Check Ride administered for G-1000 qualification. This supplemental questionnaire will be presented to the Check Pilot along with the required CAPR 70-1 questionnaire at the time of the Check Ride. Minimum passing score is 80%. The completed questionnaire will be filled in the pilot's flight record in e-Services under "My Operations Qualifications".

1. During pre-flight the fuel should be visually checked and the quantity set into the GAL REM using the _____ and then _____ softkeys.
2. It is important to recall that the fuel quantity gauge will never show more than _____ Gallons for each tank, thus the need to visually check the level.
3. There are two "intermediate fill" levels noted on the fuel tank filler tab. One provides _____ gallons per tank, while the other references _____ gallons per tank.
4. By filling the fuel tanks to the 'bottom of the tab', the plane will have an increase of _____ lbs. useful load over a full fuel load.
5. Immediately after engine start, at what RPM does the POH recommend for the initial leaning to be made for subsequent taxi and run-up operations? _____
6. During the run-up, the RPM must NOT drop more than _____ RPM for an acceptable MAG Check.
7. When applying Take-off power, the mixture should be set in conformance with the placard that requires _____ GPH at KABQ, and _____ GPH at KLAM.

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8. Before departing, it is helpful to set the _____ bug to either the runway heading or first leg of the course to be flown.
9. On climb out, the AP may be turned on when climbing through and above _____ AGL.
10. While cruising at 8,000 feet and a power setting of 18 inches and 2200 RPM, with an OAT of 19°C, the mixture may be set to _____ GPH in lieu of using the Lean Assist process.
11. When executing the leaning procedure in the previous item, both the EGT and CHT should be monitored by pressing the _____ softkey followed by the _____ softkey.
12. Failure of both GPS systems is indicated by the warning _____ displayed on the _____.
13. You established a GPS VFR flight plan to a specified waypoint destination and departed with an initial heading that placed you off your course line. When given "Resume Own Navigation" by ATC, the quickest way to proceed direct to your first way point is to select the _____ softkey on the PFD and then push the _____ button. You may also select the specified waypoint on the Flight Plan and push the _____ button.
14. It is important not to touch the display screens with your _____ and to remove smudges with microfiber cloth dampened with approved cleaning solution.
15. The second audio panel on the right side allows the independent monitoring of _____ and _____ frequencies.
16. If the Main electrical power fails, Avionics Bus # _____ will shut down. This will automatically remove NAV # and COM # _____ from service.
17. The Standby Battery will provide power only to those items on the _____ Bus.
18. The following items are powered by the E-Buss:
 - a. _____
 - b. _____
 - c. _____
 - d. _____
 - e. _____
 - f. _____
 - g. _____
 - h. _____
19. If the LOW VOLTS annunciator comes on, the POH response is to turn the _____ switch OFF then ON to recycle the _____.

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20. During a pre-flight, if any System, Instrument, Equipment, and/or Function appears inoperative, the pilot can determine if the flight may be flown legally if that item is NOT required for the kind of operation to be flown by referencing the _____
_____ List.
- 430 If the G-1000 Vertical Speed Indicator is not functioning, the airplane Can be used for IFR flight.
- 440 In the event of an Audio Panel failure, the pilot's headset is automatically connected to COM # _____.
- 450 The GFC-700 "Auto-Pilot" **May/May Not** be used if the Pilot's Audio Panel should fail? Why? _____
24. The vacuum system supplies vacuum pressure to the _____.
25. To Cancel a Direct-To or Delete a Flight Plan (FPL), start by pressing the _____ key with the flight plan displayed.